



**FEDERAL BOARD OF INTERMEDIATE AND  
SECONDARY EDUCATION  
H-8/4, ISLAMABAD**



**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(TELE COMMUNICATION TECHNOLOGY-1st YEAR)**

<b>S.No</b>	<b>Subject Name</b>	<b>Theory</b>	<b>Practical</b>	<b>Total Marks</b>
1.	Islamiyat / Pakistan Studies	50	--	50
2.	English	100	--	100
3.	Mathematics A	75	--	75
4.	Mathematics B	75	--	75
5.	Applied Physics	50	50	100
6.	Telecom Essentials & Network A	75	--	75
7.	Telecom Essentials & Network B	75	--	75
8.	Telecom Essentials & Network	--	50	50
9.	Computer Applications	--	50	50
10.	Electrical Wiring	--	50	50
11.	Telecom DRG: GEN: Engg:	--	100	100
12.	Fitting Shop	--	50	50
13.	Wood Work Shop	--	50	50
14.	Electronics Computers, Applications & Assembly	--	100	100
15.	Mutal e Quran Hakim	50	--	50
	<b>Total:</b>	<b>550</b>	<b>500</b>	<b>1050</b>



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**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(TELE COMMUNICATION TECHNOLOGY-2nd YEAR)**

<b>S.No</b>	<b>Subject Name</b>	<b>Theory</b>	<b>Practical</b>	<b>Total Marks</b>
1.	Islamiyat / Pakistan Studies	50	--	50
2.	Applied Mathematics A	75	--	75
3.	Applied Mathematics B	75	--	75
4.	Business Communication	50	--	50
5.	Business Management and Industrial Economics	50	--	50
6.	Applied Chemistry	50	50	100
7.	Electronics Devices & Circuits A	75	--	75
8.	Electronics Devices & Circuits B	75	--	75
9.	Electronics Devices & Circuits	--	50	50
10.	Digital Circuits & Microprocessor	100	50	150
11.	Measuring Instruments	100	50	150
12.	Radio Communication System – I	50	50	100
13.	Telephone and Exchanges	100	50	150
14.	Power Plant	50	50	100
	<b>Total:</b>	<b>900</b>	<b>350</b>	<b>1250</b>



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**SCHEME OF STUDIES OF DIPLOMA OF ASSOCIATE ENGINEERING  
(TELE COMMUNICATION TECHNOLOGY-3rd YEAR)**

<b>S. No</b>	<b>Subject Name</b>	<b>Theory</b>	<b>Practical</b>	<b>Total Marks</b>
1.	Islamiyat / Pakistan Studies	50	--	50
2.	Industrial Manag: Human Relation	50	--	50
3.	Radio Communication System – II	50	50	100
4.	Antenna Wave Propagation	50	50	100
5.	TV Circuit & System A	75	--	75
6.	TV Circuit & System B	75	--	75
7.	TV Circuit & System	--	100	100
8.	Microproc: App: & Interface	100	50	150
9.	Telecom: Equipments and Servicing	--	100	100
10.	Project	--	50	50
11.	Digital Communication	100	50	150
12.	Fiber Optics & Satellite Communication	50	50	100
	<b>Total:</b>	<b>600</b>	<b>500</b>	<b>1100</b>